

TRU SHAFT TGP – IH

TURNED, GROUND & POLISHED, INDUCTION HARDENED HIGH TENSILE ALLOY STEEL

TRU SHAFT TGP-IH has been utilized as a longer lasting steel in many applications because of its high physical properties and the fact that it can be heat treated by the use of several different methods with different ranges of resulting hardness.

TRU SHAFT TGP-IH is induction hardened to a case depth of .062" deep on the outside diameter and has a thru hardened core of 28-32 Rockwell C scale. This internal hardness still meets many needs as case hardness is lost through usage and wear, prolonging the life of the shaft.

All melts of **TRU SHAFT TGP-IH** are electric furnace, vacuum degassed to provide optimum cleanliness of the finished product.

MATERIAL SPECIFICATIONS

CHEMICAL PROPERTIES

C	.35/.43
Cr	.85
Mo	.45
Mn	.75
Si	.25

PHYSICAL PROPERTIES

Core Hardness	Rc 28-32
Case Hardness	Rc 60-65
Tensile Strength (PSI)	160,000
Yield Strength	151,000
Elongation	18%
Reduction of Area	20%